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# **WATER SUPPLY OUTLOOK FOR COLORADO AND NEW MEXICO**



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Collaborating with

**COLORADO STATE UNIVERSITY EXPERIMENT STATION  
STATE ENGINEER of COLORADO  
and STATE ENGINEER of NEW MEXICO**

AS OF  
**MAR. 1, 1975**

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

## TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

*Cover Photo: Cabins near Sacajawea Snow Course  
in Bridger Mountains, Montana.*

SPS PHOTO 11-P880-15

## PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 111, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

## PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



# **WATER SUPPLY OUTLOOK FOR COLORADO AND NEW MEXICO**

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

*Issued by*

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### WATERSHED II - ARKANSAS RIVER WATERSHED

Describes water supply conditions in Loke County, Upper Arkansas, Fremont, Custer County Divide, Fountain Valley, Block Squirrel, Horse-Rush Creek, Central Colorado, Turkey Creek, Pueblo, Bessemer, Olney Boone, Cheyenne, Upper Huerfano, Stonewall, Spanish Peaks, Purgatoire, Bronson Trinchera, Western Boco, Southeastern Boco, Two Buttes, Bent, Timpas, Northeast Prowers, Prowers, Kiowa County, West Otero, East Otero, and Big Sandy Soil Conservation Districts.

### WATERSHED III - RIO GRANDE WATERSHED (COLORADO)

Describes water supply conditions in Rio Grande, Center, Conejos, Mosco Hooper, Mt. Blanca, Sanchez, and Culebro Soil Conservation Districts.

### WATERSHED IV - RIO GRANDE WATERSHED (NEW MEXICO)

Describes water supply conditions in Upper Chomo, East Rio Arriba, Toos, Lindrith, Jemez, Sonto Fe - Pojoaque, Sandoval, Tijeros, Cuba, and Edgewood Soil Conservation Districts.

### WATERSHED V - DOLORES, SAN JUAN, AND ANIMAS RIVERS WATERSHED

Describes water supply conditions in San Miguel Basin. Dove Creek, Dolores, Mancos, LoPlato, Pine River, San Juan, San Miguel Basin, and Glode Park Soil Conservation Districts.

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Describes water supply conditions in Delto, Gunnison, Cimarron, Shovono, and Uncompohgre Soil Conservation Districts.

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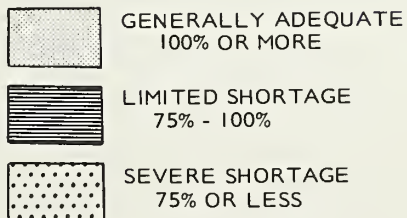
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# WATER SUPPLY OUTLOOK

as of

MARCH 1, 1975



The map on this page indicates the most probable water supply as of the date of this report. Estimates assume average conditions of snow fall, precipitation and other factors from this date to the end of the forecast period. As the season progresses accuracy of estimates improve. In addition to expected streamflow, reservoir storage, soil moisture in irrigated areas, and other factors are considered in estimating water supply. Estimates apply to irrigated areas along the main streams and may not indicate conditions on small tributaries.



# WATER SUPPLY CONDITIONS as of

MARCH 1, 1975

SNOWFALL OVER THE SOUTHERN PART OF COLORADO AND NEW MEXICO WAS ABOVE NORMAL DURING FEBRUARY. THE PROSPECTS ARE EXCELLENT NOW FOR WATER SUPPLIES THIS SUMMER. FORECASTS RANGE AS HIGH AS 135% OF THE 1958-72 AVERAGE. FORECASTS ARE COMPUTED ASSUMING NORMAL CLIMATIC CONDITIONS FOR THE REMAINDER OF THE YEAR.



**COLORADO** -- THE NORTHERN HALF OF THE STATE HAS ABOUT NORMAL

SNOWPACK WHILE THE SOUTHERN HALF HAS BETTER THAN NORMAL. THERE SHOULD BE NO SEVERE WATER SHORTAGES THIS SUMMER. THE SOUTH PLATTE AND ARKANSAS COULD HAVE SOME SHORTAGES DUE TO POOR SOIL MOISTURE AND LOW STORAGE, HOWEVER SEVERAL MONTHS REMAIN FOR THIS SITUATION TO IMPROVE.



**NEW MEXICO** -- SNOWFALL DURING FEBRUARY VASTLY IMPROVED THE WATER

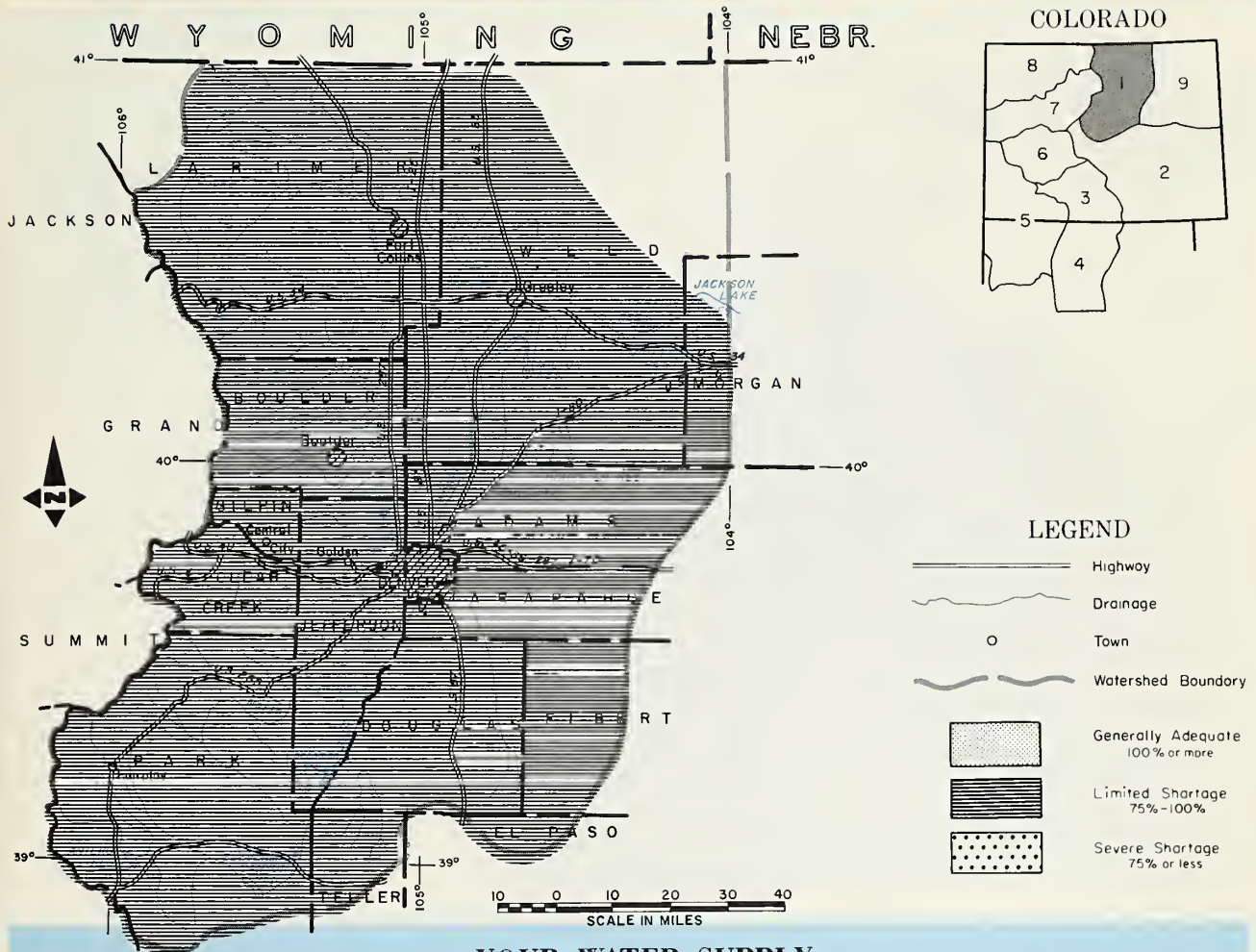
SUPPLY OUTLOOK IN NEW MEXICO. RUNOFF FROM MAJOR STREAMS SHOULD BE EXCELLENT. SMALL STREAMS SHOULD HAVE EXCELLENT EARLY FLOWS WHICH SHOULD BE SUSTAINED FOR A GOOD PORTION OF THE SUMMER. SOIL MOISTURE CONDITIONS ARE POOR, BUT COULD BE IMPROVED WITH A COUPLE OF GOOD RAINS. STORAGE IS DOWN FROM LAST YEAR, BUT STILL ABOUT NORMAL.



# WATER SUPPLY OUTLOOK FOR THE SOIL CONSERVATION DISTRICTS IN THE SOUTH PLATTE RIVER WATERSHED IN COLORADO

as of  
MARCH 1, 1975

**U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE**  
CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



## YOUR WATER SUPPLY

ALTHOUGH THE PLAINS HAVE HAD VERY LITTLE MOISTURE THIS WINTER THE MOUNTAIN SNOWPACK IS NEARLY NORMAL. THE WATER SUPPLY IS STILL NOT GOOD EVEN IF STREAMFLOW IS NORMAL. RESERVOIR STORAGE IS NEAR AVERAGE, BUT DOWN FROM LAST YEAR AND SOIL MOISTURE CONDITIONS ARE GENERALLY POOR. THERE IS STILL TIME TO IMPROVE CONDITIONS. TWO MONTHS OF POSSIBLE MOUNTAIN SNOWFALL REMAIN. FORECASTS ASSUME NORMAL CONDITIONS WILL FOLLOW.

This report prepared by

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# STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept

FORECAST POINT	FORECAST	% of Average	Average <sup>+</sup>
Big Thompson at Drake(1)	105	98	107
Boulder at Orodell	53	106	49
Cache La Poudre at Canyon Mouth (2)	235	95	247
Clear Cr. at Golden (3)	140	110	127
Saint Vrain at Lyons(4)	77	102	75

(1) Observed flow plus by-pass to power plants. (2) Observed flow minus trans-basin diversions plus municipal and irrigation diversions. (3) Observed flow minus diversion through August P. Gumlick Tunnel. (4) Observed flow plus change in storage in Price Reservoir.

## SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average <sup>+</sup>
Big Thompson	5	92	98
Boulder	3	92	101
Cache La Poudre	8	77	90
Clear Creek	6	105	107
Saint Vrain	3	107	102
South Platte	3	158	130

## RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average <sup>+</sup>
Antero	33	16	16	14
Barr Lake	32	27	27	23
Black Hollow	8	5	5	4
Boyd Lake	44	37	44	37
Cache La Poudre	10	7	8	8
Carter Lake	109	100	91	87
Chambers Lake	9	3	4	3
Cheeseman	79	43	50	57
Cobb Lake	34	17	19	15
Eleven Mile	98	97	98	87
Fossil Creek	12	6	7	7
Gross	43	23	29	29

# WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Bear Creek	Avg.	Fair
Coal Creek	Avg.	Fair
North Fork of South Platte	Avg.	Fair
North Fork of Cache La Poudre	Avg.	Fair
Ralston Creek	Avg.	Fair
Rock Creek	Avg.	Fair

## SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average <sup>+</sup>
Big Thompson	3	105	78
Boulder	1	100	82
Cache La Poudre	2	88	88
Clear Creek	2	84	82
Saint Vrain	1	100	82
South Platte	2	77	91

## RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average <sup>+</sup>
Halligan	6	5	6	4
Horsetooth	144	90	123	97
Lake Loveland	14	10	11	9
Lone Tree	9	5	8	7
Mariano	5	5	5	5
Marshall	10	6	8	4
Marston	18	16	16	15
Milton	24	15	14	13
Standley	42	27	35	17
Terry Lake	8	6	5	5
Union	13	12	13	10
Windsor	19	11	11	10

1958-1972 period.

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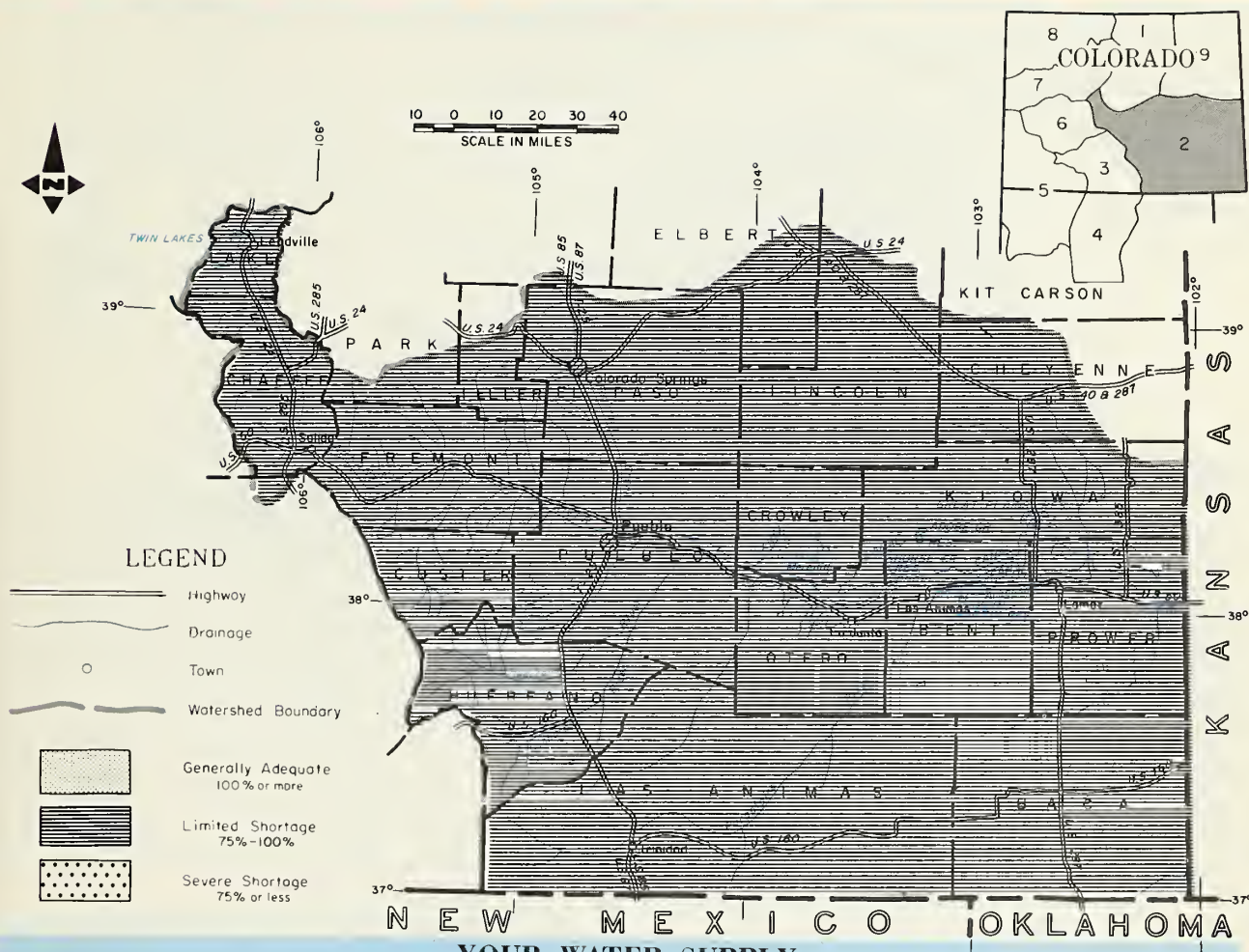
"The Conservation of Water begins with the Snow Survey"



# WATER SUPPLY OUTLOOK FOR THE SOIL CONSERVATION DISTRICTS IN THE ARKANSAS RIVER WATERSHED IN COLORADO

as of  
MARCH 1, 1975

**U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE**  
CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



RUNOFF ON THE ARKANSAS AND ITS TRIBUTARIES SHOULD BE ABOVE NORMAL IF CURRENT CONDITIONS CONTINUE. CARRYOVER STORAGE IN THE VALLEY RESERVOIRS IS PRACTICALLY NON-EXISTENT. RUNOFF WILL HAVE TO BE GOOD TO PROVIDE ADEQUATE WATER SUPPLIES THIS SUMMER. VALLEY SOIL MOISTURE IS REPORTED AS POOR. SOME VALLEY MOISTURE IS NEEDED BEFORE TIME TO PLANT CROPS. FORECASTS ASSUME NORMAL CONDITIONS FOR THE REMAINDER OF THE YEAR.

This report prepared by

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**U. S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE**

D. W. GILLASPIE - AREA CONSERVATIONIST  
ALAMOSA, COLORADO

# STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept

FORECAST POINT	FORECAST	% of Average	Average <sup>+</sup>
Arkansas nr Pueblo (1)	310	107	290
Arkansas at Salida (1)	340	109	313
Cucharas nr La Veta	12	120	10
Purgatoire at Trinidad	41	108	38

(1) Observed flow plus change in Clear Creek, Twin Lakes and Turquoise Reservoirs minus diversions through Busk Ivanhoe, Boustead, Divide, Twin Lakes and Homestake Tunnels and Ewing, Front Pass, Wurtz and Columbine ditches.

## SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average <sup>+</sup>
Arkansas	10	110	123
Cucharas	1	69	121
Purgatoire	1	103	112

# WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Apishapa	Avg.	Fair
Fountain Creek	Avg.	Fair
Grape	Avg.	Fair
Hardscrable Creek	Avg.	Fair
Huerfano	Avg.	Fair
Monument Creek	Avg.	Fair

## SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average <sup>+</sup>
Arkansas	3	75	84
Cucharas and Purgatoire	1	80	67

## RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average <sup>+</sup>
Adobe	62	0	18	17
Clear Creek	11	3	4	8
Cucharas	40	0	6	3
Great Plains	150	0	44	59
Horse Creek	27	0	0	7

## RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average <sup>+</sup>
John Martin	354	7	24	90
Meredith	42	0	27	13
Model	15	0	1	4
Turquoise	121	38	48	--
Twin Lakes	58	17	42	26

+ 1958-1972 period.

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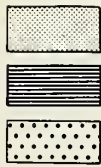
# WATER SUPPLY OUTLOOK FOR THE SOIL CONSERVATION DISTRICTS IN THE UPPER RIO GRANDE WATERSHED IN COLORADO

as of  
MARCH 1, 1975

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE  
CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO

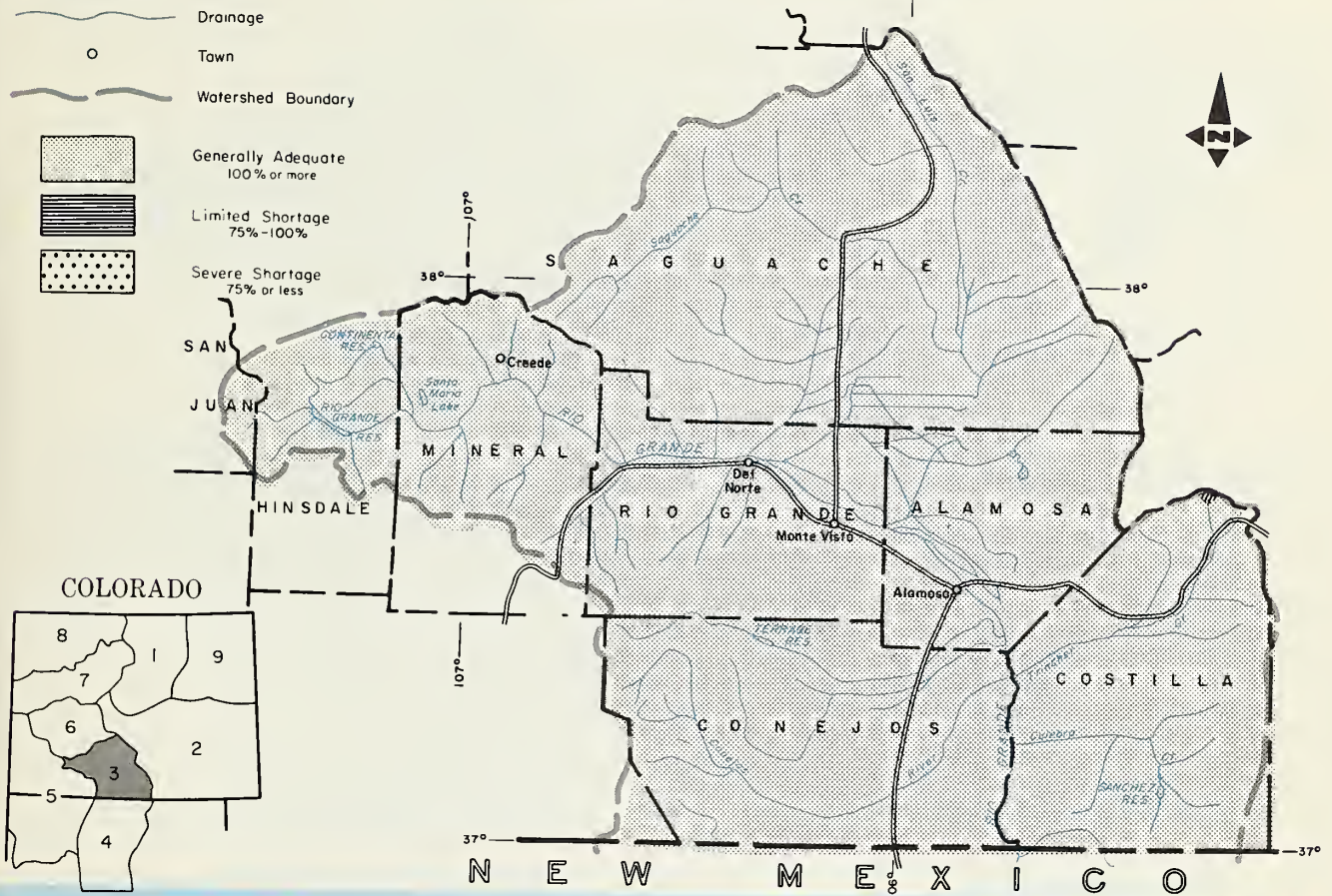
## LEGEND

-  Highway
-  Drainage
-  Town
-  Watershed Boundary



- Generally Adequate  
100% or more
- Limited Shortage  
75%-100%
- Severe Shortage  
75% or less

10 0 10 20 30 40  
SCALE IN MILES



## YOUR WATER SUPPLY

STREAMFLOW RUNOFF IN THE RIO GRANDE BASIN SHOULD BE ABOVE NORMAL THIS SUMMER. CURRENT SNOWPACK RUNS FROM 108% OF NORMAL TO 121%. FORECASTS ARE ALL ABOVE NORMAL. CARRYOVER STORAGE IS 84% OF THE 1958-72 AVERAGE, BUT ONLY 47% OF LAST YEAR. MOUNTAIN SOILS ARE GENERALLY DRY. DATA FROM THE IRRIGATED AREAS INDICATE POOR SOIL MOISTURE CONDITIONS.

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ALAMOSA, COLORADO

U. S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

# STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept

FORECAST POINT	FORECAST	% of Average	Average <sup>+</sup>
Alamosa abv Terrace	66	106	62
Conejos nr Mogote (1)	205	111	184
Culebra at San Luis (2)	20	118	17
Rio Grande at 30 Mile Bridge (3)	145	120	121
Rio Grande nr Del Norte (3)	545	117	467
So. Fork at S. Fork	130	113	115

# WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Saguache Creek	Avg.	Avg.
Sangre de Cristo Cr.	Avg.	Avg.
Trinchera Creek	Avg.	Avg.

(1) Observed flow plus change in storage in Platoro Reservoir. (2) Observed flow plus change in storage in Sanchez Reservoir. (3) Observed flow plus change in storage in Santa Maria, Rio Grande and Continental Reservoirs.

## SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average <sup>+</sup>
Alamosa	2	104	108
Conejos	3	107	110
Culebra	2	86	113
Rio Grande	10	139	121

## SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average <sup>+</sup>
Alamosa	1	109	63
Conejos	1	115	102
Culebra	1	80	67
Rio Grande	2	87	66

## RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average <sup>+</sup>
Continental	27	3	2	5
Platoro	60	19	38	9
Rio Grande	46	8	27	17

## RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average <sup>+</sup>
Sanchez	103	5	18	13
Santa Maria	45	4	7	6
Terrace	18	8	9	6

+ 1958-1972 period.

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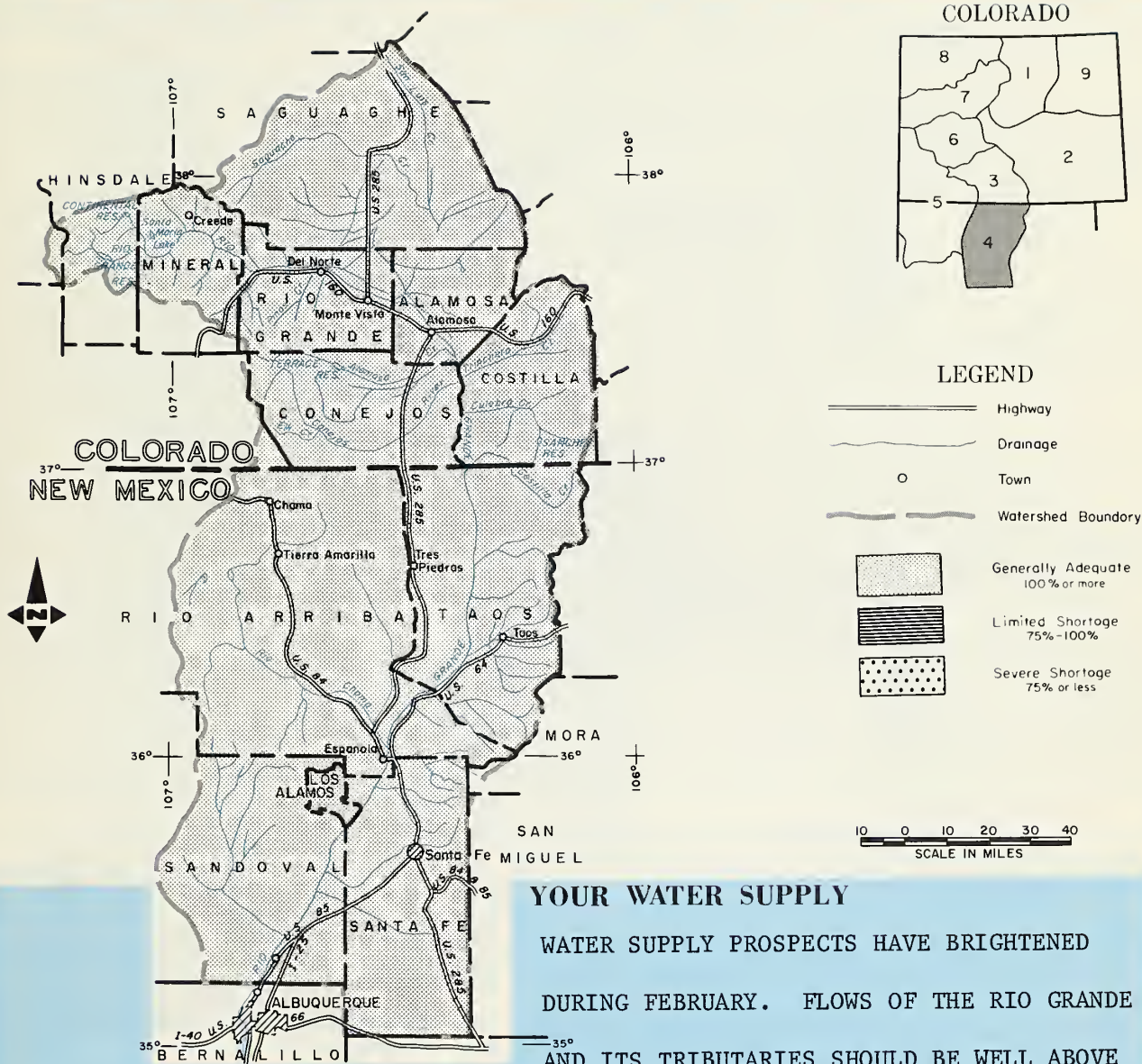
"The Conservation of Water begins with the Snow Survey"



# WATER SUPPLY OUTLOOK FOR THE SOIL CONSERVATION DISTRICTS IN THE RIO GRANDE WATERSHED IN NEW MEXICO

as of  
MARCH 1, 1975

**U.S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE**  
CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



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SANTA FE, NEW MEXICO

U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

# STREAMFLOW FORECASTS (1000 Ac. Ft.) Mar-Jul

# WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

FORECAST POINT	FORECAST	% of Average	Average <sup>†</sup>
Costilla at Cost. (1)	22	116	19
Pecos at Pecos	57	139	41
Rio Chama at El Vado	240	127	190
Rio Grande at Otowi (2)	658	125	526
Rio Gr. at San Mar (2)	445	125	355
Rio Hondo nr Valdez	18	129	14
Red R. at mouth nr Questa	39	134	29
Jemez R. nr Jemez	37	128	29
Santa Cruz at Cundiyo	16	133	12

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Embudo Creek	Exc.	Avg.
Mora River	Exc.	Avg.
Nambe Creek	Exc.	Avg.
Rio Ojo Caliente	Exc.	Avg.
Rio Pueblo de Taos	Exc.	Avg.
Santa Fe Creek	Exc.	Avg.

The forecast of the Rio Grande at San Marcial is % of the Average used by the Elephant Butte Irrigation District. (1) Observed flow plus change in Costilla Reservoir. (2) Observed flow plus change in storage in El Vado and Abiquiu Reservoir.

## SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average <sup>†</sup>
Pecos	1	94	136
Rio Chama	4	110	145
Rio Grande, NM	10	114	142
Red River	2	121	147

## SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average <sup>†</sup>
Pecos	1	31	36
Rio Chama	1	25	42
Rio Grande	4	73	91
Red River	1	107	76

## RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average <sup>†</sup>
Alamogordo	111	45	100	79
Caballo	344	43	60	87
Conchas	273	132	175	186
Elephant Butte	2195	473	879	439

## RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average <sup>†</sup>
El Vado	195	89	127	3
McMillen-Avalon	32	38	14	20

+ 1958-1972 period.

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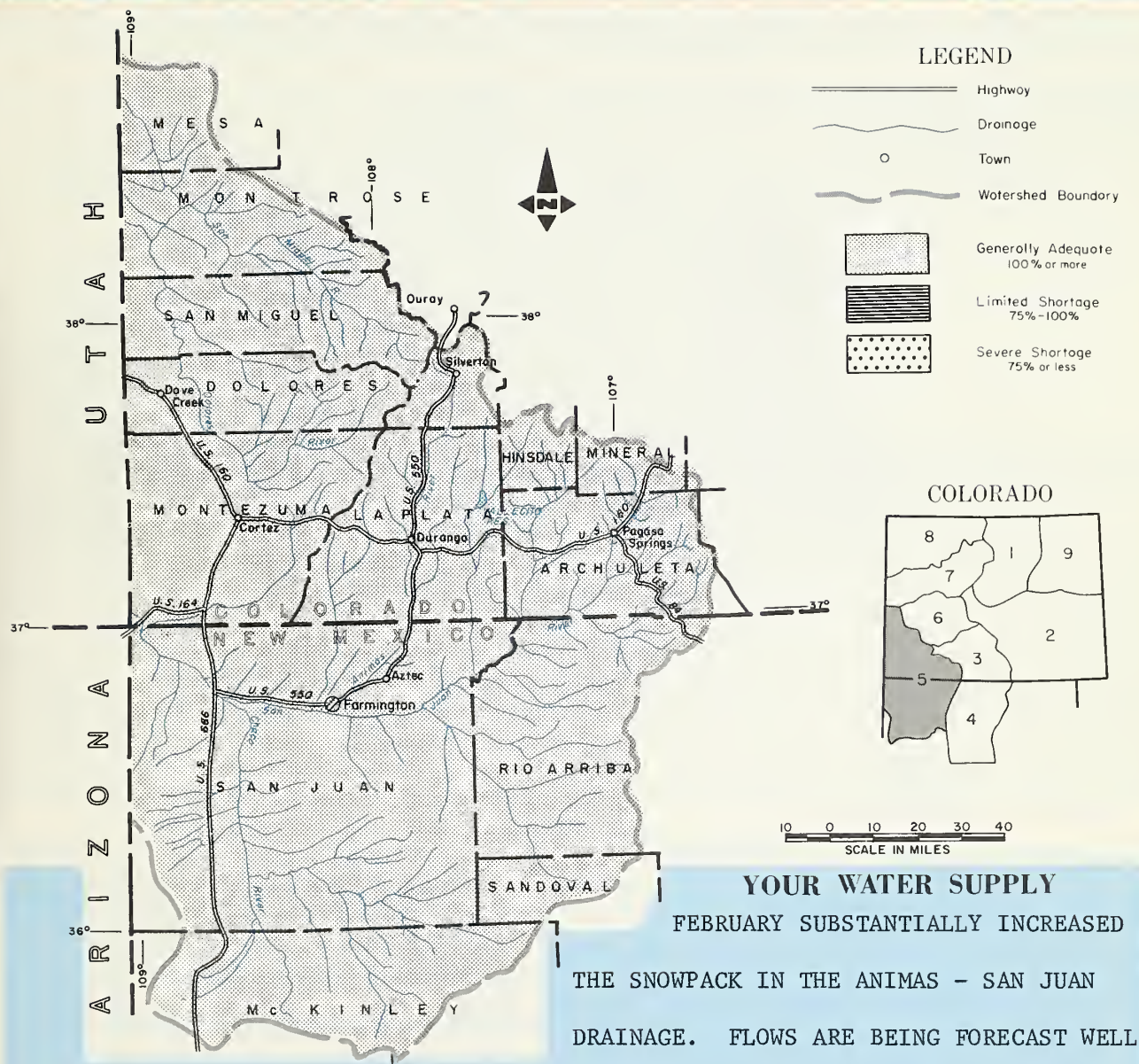
# FIRST CLASS MAIL



# WATER SUPPLY OUTLOOK FOR THE SOIL CONSERVATION DISTRICTS IN THE SAN MIGUEL, DOLORES, ANIMAS, AND SAN JUAN WATERSHEDS IN COLORADO AND NEW MEXICO

as of  
MARCH 1, 1975

**U.S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE**  
CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



ABOVE NORMAL RANGING FROM 121% ON THE DOLORES TO 130% OF NORMAL ON THE SAN JUAN. SMALL STREAMS SHOULD ALSO PRODUCE GOOD WATER SUPPLIES THIS SUMMER. CARRYOVER STORAGE IS DOWN FROM LAST YEAR, BUT STILL NEAR NORMAL.

This report prepared by

JACK N. WASHCIEK  
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Issued by

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**U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE**

D. W. GILLASPIE - AREA CONSERVATIONIST  
ALAMOSA, COLORADO

JAMES E. TATUM - AREA CONSERVATIONIST  
SANTA FE, NEW MEXICO

# STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept

FORECAST POINT	FORECAST	% of Average	Average <sup>†</sup>
Animas at Durango	535	126	423
Dolores at Dolores	295	127	232
La Plata at Hesperus	30	125	24
Los Pinos at Bayfield(1)	240	121	198
Piedra Cr. at Arboles	225	122	185
San Juan at Carracas	450	127	354
San Miguel at Placerville	170	131	130
Inflow to Navajo R. (1&2)	750	126	597
Mancos nr Towac	18	129	14

(1) Observed flow plus change in storage in Vallecito Reservoir. (2) April - July

## SUMMARY OF SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average <sup>†</sup>
Animas	6	138	125
Dolores	4	113	130
San Juan	5	116	117

# WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Florida	Exc.	Exc.
Mancos	Exc.	Exc.

## SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average <sup>†</sup>
Animas	-	--	--
Dolores	2	267	51
San Juan	-	--	--

## RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average <sup>†</sup>
Groundhog	22	9	15	9
Lemon	40	2	19	19
Navajo	1036	278	326	238*
Narraguinnep		6	5	--
Jackson Gulch	10	3	6	4
Vallecito	126	24	70	54

\*Less than 15 yrs.

## RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average <sup>†</sup>

+ 1958-1972 period.

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# WATER SUPPLY OUTLOOK FOR THE SOIL CONSERVATION DISTRICTS IN THE GUNNISON RIVER WATERSHED IN COLORADO

as of  
MARCH 1, 1975

**U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE**  
CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



## YOUR WATER SUPPLY

STREAMFLOW IN THE GUNNISON DRAINAGE SHOULD BE SLIGHTLY BETTER THAN THE 15 YEAR AVERAGE. THE UNCOMPAHGRE RIVER COULD FLOW AS MUCH AS 35% ABOVE NORMAL. EARLY FLOWS FROM THE SMALL RIVERS SHOULD BE GOOD, TAPERING OFF WITH THE SEASON. STORAGE IN THE MAJOR RESERVOIRS IS NEARLY NORMAL AND WILL PROVIDE GOOD SUPPLEMENTAL SUPPLIES. VALLEY SOIL MOISTURE IS REPORTED AS FAIR TO GOOD.

This report prepared by

JACK N. WASHICHER  
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M. D. BURDICK - STATE CONSERVATIONIST  
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GRAND JUNCTION, COLORADO

U. S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

# STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept

FORECAST POINT	FORECAST	% of Average	Average +
Gunnison R. inflow to Blue Mesa Res. (1)	825	104	792
Gunnison nr Grand Junction (2)	1300	110	1184
N. Fork of Gunnison (3)	275	105	263
Surface Creek nr Cedaredge	17	106	16
Uncompahgre at Colona	180	134	134

(1) Observed flow plus change in storage in Taylor Reservoir. (2) Observed flow plus change in storage in Blue Mesa, Morrow Point and Taylor Reservoirs. (3) Observed flow plus change in storage in Paonia Reservoir.

## SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average +
Gunnison	12	102	114
Surface Creek	3	103	101
Uncompahgre	3	123	131

# WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Taylor	Exc.	Avg.

## SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average +
Gunnison	1	77	100
Surface Creek	-	--	--
Uncompahgre	-	--	--

## RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Blue Mesa	830	380	360	354
Morrow Point	121	115	115	109
Taylor	106	50	63	65

## RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +

+ 1958-1972 period.

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






# WATER SUPPLY OUTLOOK FOR THE SOIL CONSERVATION DISTRICTS IN THE COLORADO RIVER WATERSHED IN COLORADO

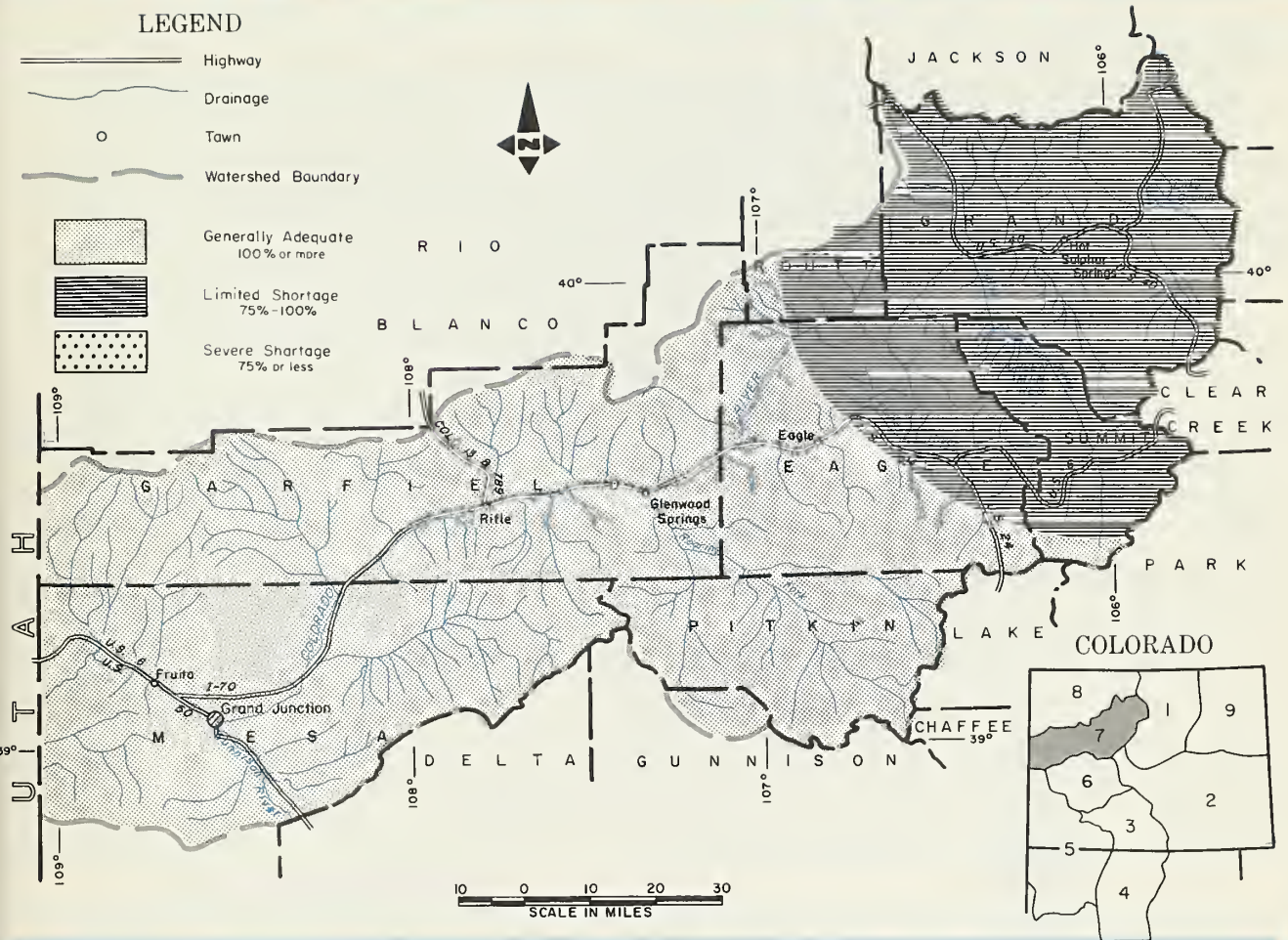
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MARCH 1, 1975

**U.S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE**  
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## LEGEND

-  Highway
-  Drainage
-  Town
-  Watershed Boundary

-  Generally Adequate  
100% or more
-  Limited Shortage  
75%-100%
-  Severe Shortage  
75% or less



## YOUR WATER SUPPLY

STREAMS SHOULD FLOW NEAR NORMAL OVER THE COLORADO BASIN IF SNOWFALL CONTINUES AT LEAST AT A NORMAL RATE. FORECASTS RANGE FROM A LOW OF 94% ON WILLOW CREEK TO A HIGH OF 111% OF NORMAL ON THE WILLIAMS FORK. CARRYOVER STORAGE IS 111% OF THE 15 YEAR NORMAL AND VALLEY SOILS ARE REPORTED TO BE IN FAIR CONDITION.

This report prepared by \_\_\_\_\_

JACK N. WASHICHER  
SNOW SURVEY UNIT, SOIL CONSERVATION SERVICE  
DENVER, COLORADO

Issued by \_\_\_\_\_

M. D. BURDICK - STATE CONSERVATIONIST  
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DUANE L. JOHNSON - AREA CONSERVATIONIST  
GRAND JUNCTION, COLORADO

U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

# STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept

# WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

FORECAST POINT	FORECAST	% of Average	Average +
Blue R. inflow to Dillon	165	98	169
Blue abv Green Mt. (1)	300	101	297
Colo. R. inflow to Granby Res. (2)	225	99	228
Colo. R. nr Dotsero (3)	1510	105	1434
Roaring Fork at Glenwood (4)	750	105	713
Wm Fk. nr Parshall (5)	70	111	63
Willow Cr. inflow to Willow Cr. Res.	44	94	47
Colorado nr Cameo (6)	2500	105	2370

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Brush	Exc.	Avg.
Eagle River	Exc.	Avg.
Gypsum Creek	Exc.	Avg.

(1) Observed flow plus diversions through Roberts Tunnel and change in storage in Dillon Reservoir. (2) Observed flow corrected for change in storage in Lake Granby as furnished by U.S.B.R. and diversions by Adams Tunnel and Grand River Ditch. (3) Observed flow plus the changes as indicated in (1), (2) and (5) plus Moffat Ditch and change in Homestake, Williams Fork, Green Mt. and Willow Creek Reservoirs. (4) Observed flow plus diversions through Divide and Twin Lakes Tunnels plus change in storage in Ruedi Reservoir. (5) Observed flow plus diversions through August P. Gumlick Tunnel. (6) Observed flow plus the changes as indicated in (3) and (5).

## SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average +
Blue River	8	104	107
Colorado	20	93	106
Plateau	3	100	98
Roaring Fork	7	96	107
Williams Fork	3	84	112
Willow	2	87	101

## SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average +
Blue River	1	67	79
Colorado	3	100	89
Roaring Fork	1	84	67
Willow	1	78	70

## RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Dillon	254	211	239	233
Granby	466	308	388	235
Green Mountain	147	70	73	67
Homestake	43	33	27	17

## RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Ruedi	101	61	62	65
Vega	32	7	14	11
Williams Fork	97	38	46	29
Willow Creek	9	7	7	7

+ 1958-1972 period.

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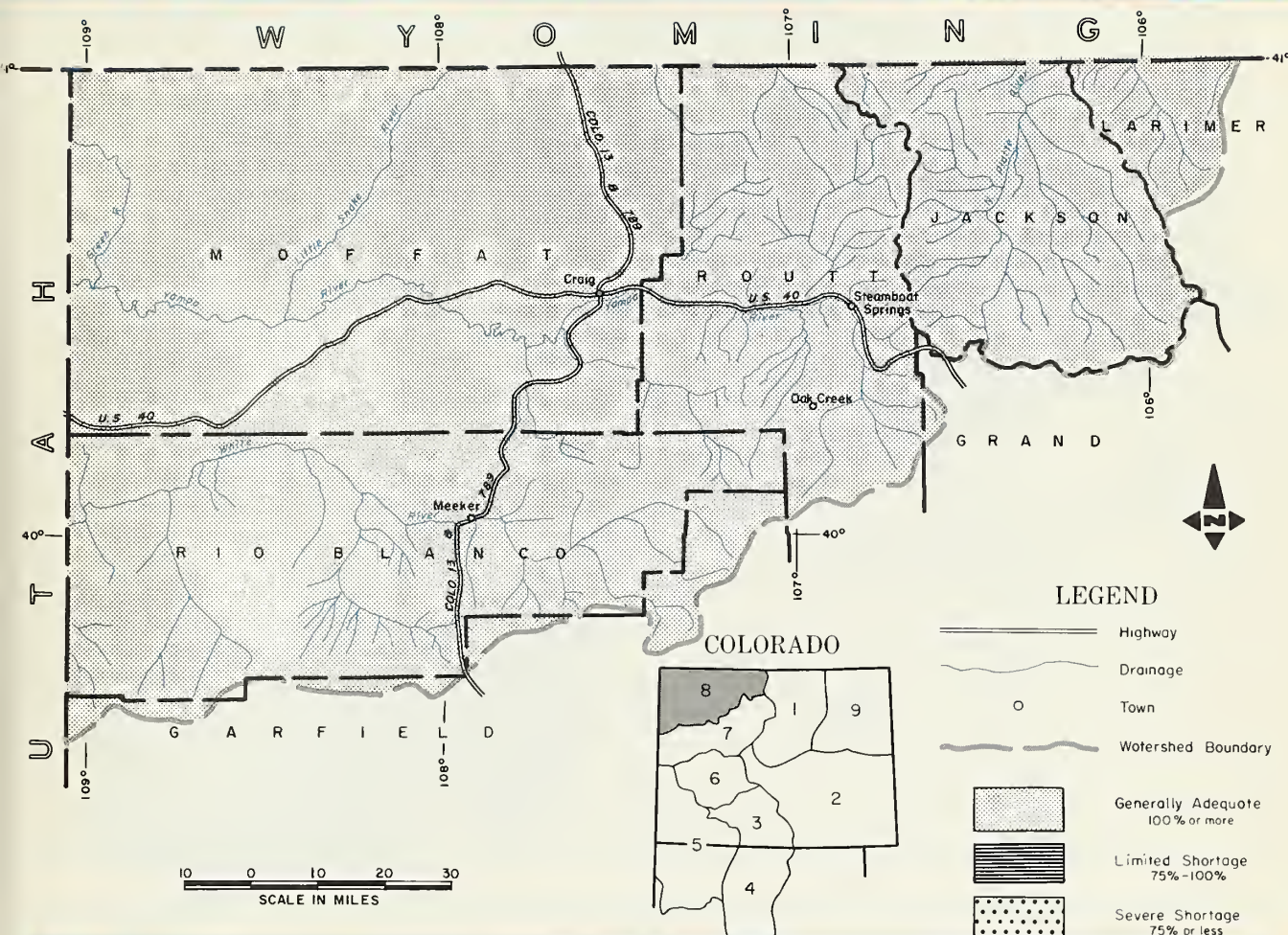
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# WATER SUPPLY OUTLOOK FOR THE SOIL CONSERVATION DISTRICTS IN THE YAMPA, WHITE, AND NORTH PLATTE RIVER WATERSHEDS IN COLORADO

as of  
MARCH 1, 1975

**U.S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE**  
CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



## YOUR WATER SUPPLY

WATER SUPPLIES SHOULD BE ADEQUATE IN NORTHWESTERN COLORADO IF SNOWFALL CONTINUES AT A NORMAL RATE. THE ONLY BASIN WITH LESS THAN NORMAL SNOW IS THE LITTLE SNAKE, HOWEVER, WATER SHOULD BE ADEQUATE. SMALL STREAMS SHOULD ALSO PRODUCE WELL THIS SUMMER. MOUNTAIN SOILS ARE DRY AND WILL RETARD FLOWS SLIGHTLY.

This report prepared by

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U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

# STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept

# WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

FORECAST POINT	FORECAST	% of Average	Average <sup>+</sup>
Elk at Clark	205	104	198
Laramie nr Woods	128	101	127
Little Snake at Lily	280	86	324
N. Platte at Northgate	290	121	240
White nr Meeker	350	119	295
Yampa nr Maybell	1050	116	905
Yampa at Steamboat Springs	328	120	274

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Canadian River	Avg.	Fair
Hunt Creek	Avg.	Fair
Illinois River	Avg.	Fair
Michigan River	Avg.	Fair
Oak Creek	Avg.	Fair
Trout Creek	Avg.	Fair

## SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average <sup>+</sup>
Elk	2	88	97
Laramie	2	66	82
North Platte	5	88	102
White	2	116	119
Yampa	5	98	115

## SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average <sup>+</sup>
Laramie	1	89	85
North Platte	2	75	81
Yampa	1	90	92

+ 1958-1972 period.

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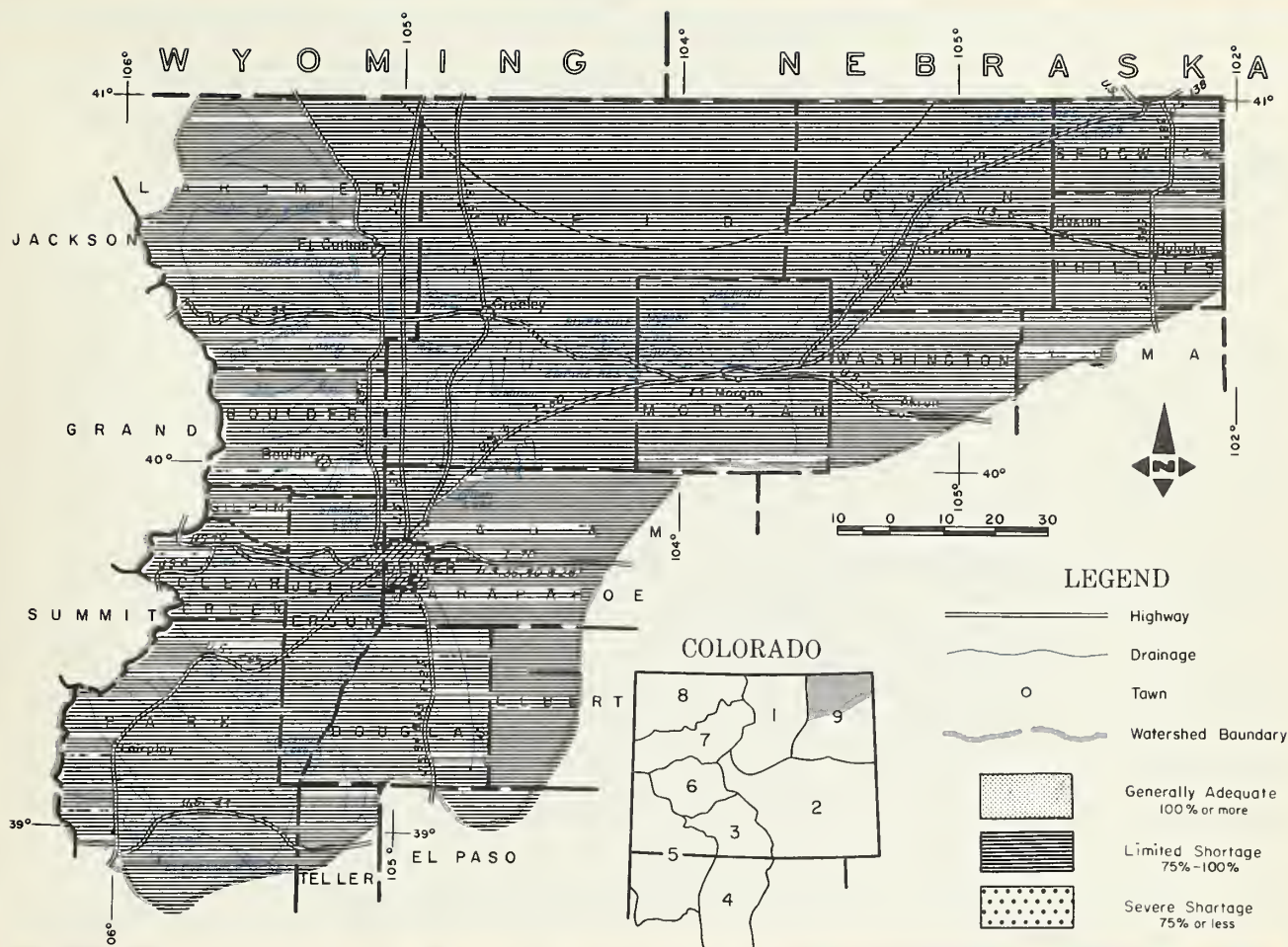
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# WATER SUPPLY OUTLOOK FOR THE SOIL CONSERVATION DISTRICTS IN THE LOWER SOUTH PLATTE RIVER WATERSHED IN COLORADO

as of  
MARCH 1, 1975

**U.S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE**  
CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



## YOUR WATER SUPPLY

THE LOWER PLATTE COULD HAVE SOME SHORTAGES THIS SUMMER UNLESS THE REMAINDER OF THE SEASON PRODUCES GOOD SNOWFALL. FLOWS OF THE PLATTE AND ITS TRIBUTARIES SHOULD BE NEAR NORMAL, BUT SOILS ARE DRY AND STORAGE IS ONLY NORMAL. RESERVOIRS WILL BE HARD PRESSED IF THE CROPS HAVE TO BE WATERED UP. MOUNTAIN SOILS ARE ALSO DRY.

This report prepared by

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# STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept

FORECAST POINT	FORECAST	% of Average	Average <sup>+</sup>
Big Thompson at Drake (1)	105	98	107
Boulder at Orodell	53	106	49
Cache La Poudre at Canyon Mouth (2)	235	95	247
Clear Cr. at Golden (3)	140	110	127
Saint Vrain at Lyons (4)	77	102	75

(1) Observed flow plus by-pass to power plants. (2) Observed flow minus trans-basin diversions plus municipal and irrigation diversions. (3) Observed flow minus diversion through August P. Gumlick Tunnel. (4) Observed flow plus change in storage in Price Reservoir.

## SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average <sup>+</sup>
Big Thompson	5	92	98
Boulder	3	92	101
Cache La Poudre	8	77	90
Clear Creek	6	105	107
Saint Vrain	3	107	102
South Platte	3	158	130

# WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
South Platte from Greeley to Ft. Morgan	Avg.	Fair
South Platte from Ft. Morgan to Sterling	Avg.	Fair
South Platte below Sterling	Avg.	Fair

## SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average <sup>+</sup>
Big Thompson	3	105	78
Boulder	1	100	82
Cache La Poudre	2	88	88
Clear Creek	2	84	82
Saint Vrain	1	100	82
South Platte	2	77	91

## RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average <sup>+</sup>
Carter	109	100	91	87
Cheeseman	79	43	50	57
Eleven Mile	98	97	98	87
Empire	38	15	9	30
Horsetooth	144	90	113	97

## RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average <sup>+</sup>
Jackson	35	32	29	32
Julesburg	28	20	20	20
Prewitt	33	26	21	18
Point of Rocks	70	64	70	59
Riverside	58	52	58	53

+ 1958-1972 period.

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# APPENDIX I

SNOW COURSE MEASUREMENTS as of MARCH 1, 1975

SNOW COURSE	CURRENT INFORMATION			PAST RECORD	
	DATE OF SURVEY	SNOW DEPTH (INCHES)	WATER CONTENT (INCHES)	WATER CONTENT (INCHES)	
				LAST YEAR	AVG. 58-72
NORTH PLATTE BASIN					
<u>Laramie River</u>					
Deadman Hill	2/26	41	10.4	15.8	14.1
Roach	2/25	48	13.4	19.9	14.9
<u>North Platte River</u>					
Cameron Pass	2/25	63	21.6	26.5	22.5
Columbine Lodge	2/27	73	24.2	23.5	20.4
Northgate	2/25	18	4.5	7.0	5.5
Park View	2/26	31	7.5	8.5	7.8
Willow Cr. Pass (B)	2/26	38	10.2	11.4	10.4
SOUTH PLATTE BASIN					
<u>Boulder Creek</u>					
Baltimore	2/26	24	6.3	7.3	6.2
Boulder Falls	2/25	40	10.4	11.7	10.3
University Camp	2/25	53	15.1	15.4	15.1
<u>Big Thompson River</u>					
Deer Ridge	2/27	17	4.3	4.8	4.0
Hidden Valley	2/27	35	7.8	9.1	8.1
Lake Irene (B)	2/23	62	17.3	19.0	19.0
Long's Peak	2/27	37	9.5	9.7	8.5
Two Mile	2/27	45	11.7	12.4	11.9
<u>Cache La Poudre</u>					
Bennett Creek	2/26	20	4.3	9.6	---
Big South	2/27	5	1.2	0.0	2.3
Cameron Pass	2/25	63	21.6	26.5	22.5
Chambers Lake	2/27	29	8.7	9.5	8.1
Deadman Hill	2/26	41	10.4	15.8	14.1
Hourglass Lake	2/26	20	4.6	9.2	5.3
Joe Wright	2/25	59	18.9	21.9	---
Lost Lake	2/27	38	9.8	10.7	10.2
Pine Creek	2/26	7	1.6	2.6	1.6
Red Feather	2/26	20	4.8	6.8	5.4
<u>Clear Creek</u>					
Baltimore (B)	2/26	24	6.3	7.3	6.2
Berthoud Falls	2/26	49	13.7	13.5	11.6
Empire	2/26	31	8.0	7.6	6.0
Grizzly Peak (B)	2/25	53	15.1	15.3	14.6
Loveland Lift	2/25	51	14.3	12.0	16.9
Loveland Pass	2/25	50	15.1	13.6	12.7
<u>Saint Vrain River</u>					
Copeland Lake	2/28	20	5.3	3.8	3.8
Ward	2/28	22	4.1	4.0	4.8
Wild Basin	2/28	37	9.4	9.8	9.9
<u>South Platte River</u>					
Como	2/26	28	6.7	3.9	---
Geneva Park	2/27	20	4.2	2.8	3.3
Horseshoe Mt.	2/24	48	11.8	6.9	---
Hoosier Pass	2/25	48	12.9	9.8	10.6
Jefferson Creek	2/26	39	10.8	5.1	7.6
Mosquito	2/25	43	11.3	6.0	---
Trout Creek Pass	2/24	27	5.2	4.9	---
ARKANSAS BASIN					
<u>Arkansas River</u>					
Bigelow Divide	2/25	37	7.1	10.0	5.1
Cooper Hill (B)	2/26	39	9.7	10.2	9.0
East Fork	2/26	33	8.5	8.0	8.0
Four Mile Park	2/27	25	6.2	5.1	5.1
Fremont Pass	2/26	47	13.4	13.2	12.9
Garfield	2/27	49	14.6	13.2	11.3
Hermit Lake	2/25	44	12.0	9.8	---
Monarch Pass	2/27	61	18.6	15.6	14.0
Tennessee Pass	2/27	37	9.6	6.6	8.7
Twin Lakes Tunnel	2/24	42	11.5	8.5	8.9
Westcliffe	2/25	38	10.6	9.2	6.0

SNOW COURSE	CURRENT INFORMATION			PAST RECORD	
	DATE OF SURVEY	SNOW DEPTH (INCHES)	WATER CONTENT (INCHES)	WATER CONTENT (INCHES)	
				LAST YEAR	AVG. 58-72
<u>Cucharas River</u>					
Apishapa	2/27	29	6.9	11.2	---
Cucharas Creek	2/27	33	8.2	---	---
La Veta Pass (B)	2/27	37	8.7	12.7	7.2
<u>Purgatoire River</u>					
Bourbon	2/27	34	6.6	6.4	5.9
<b>RIO GRANDE BASIN - CO</b>					
<u>Alamosa River</u>					
Silver Lakes	2/28	27	6.1	5.4	5.1
Summitville	2/25	60	15.4	15.2	14.7
<u>Conejos River</u>					
Cumbres	2/27	63	17.9	17.6	16.5
La Manga	2/28	61	16.6	15.8	---
Platoro	2/27	51	13.8	13.2	13.9
River Springs	2/27	32	7.3	5.7	5.0
<u>Culebra River</u>					
Brown Cabin	2/28	29	6.7	7.3	---
Cottonwood (B)	NS	---	---	5.5	---
Culebra	2/28	34	8.0	6.4	7.4
La Veta Pass (B)	2/27	34	8.5	12.7	7.2
Trinchera (B)	2/28	29	6.7	8.4	---
<u>Rio Grande</u>					
Cochetopa Pass	2/25	32	7.5	5.4	4.8
Grayback	2/25	50	13.2	12.3	---
Hiway	2/27	84	26.4	18.3	19.5
Lake Humphrey	2/26	31	6.5	3.5	6.1
Love Lake	2/27	42	10.0	5.4	---
Pass Creek	2/27	44	12.0	10.3	9.9
Pool Table	2/27	24	4.2	2.5	6.0
Porcupine	2/27	41	11.5	6.0	9.1
Santa Maria	2/28	28	7.0	3.2	4.1
Upper Rio Grande	2/27	40	9.9	5.3	7.6
Wolf Creek Pass	2/27	74	22.3	21.6	22.0
Wolf Creek Sum. (B)	2/27	92	27.5	20.7	22.5
<b>RIO GRANDE BASIN - NM</b>					
<u>Pecos River</u>					
Panchuela	2/26	19	4.5	4.8	3.3
<u>Rio Chama</u>					
Bateman	2/25	49	13.6	11.6	9.3
Capulin	2/28	22	6.0	5.4	3.7
Chama Divide	2/28	20	4.6	4.4	3.0
Chamita	2/28	38	9.5	9.3	7.3
<u>Rio Grande</u>					
Big Tesuque	2/26	28	7.3	8.6	4.9
Bluebird Mesa	NS	---	---	4.3	4.0
Cordova	2/26	38	10.6	9.6	9.6
Elk Cabin	2/27	23	5.8	6.2	3.1
Hopewell	2/26	54	16.2	15.7	---
La Cueva	2/24	31	7.0	6.2	---
Pajarito Peak	2/27	6	1.8	1.4	1.2
Payrole	2/26	40	11.2	8.1	7.8
Quemazon	2/26	45	11.0	8.1	7.8
Rio En Medio	2/26	38	9.9	11.7	8.0
Sandoval	2/26	28	7.2	4.4	4.5
Taos Canyon	2/25	27	7.3	5.6	3.8
Teakettle	2/26	37	10.0	8.3	---
Tres Ritos	2/25	27	6.4	5.2	4.6
<u>Red River</u>					
Hematite Park (B)	2/24	20	5.3	4.7	3.5
Red River	2/24	24	7.2	5.6	5.0

NOTE: NS - No Syrvey  
(B) - On Adjacent Drainage



# APPENDIX I

## SNOW COURSE MEASUREMENTS as of MARCH 1, 1975

SNOW COURSE	CURRENT INFORMATION			PAST RECORD	
	DATE OF SURVEY	SNOW DEPTH (INCHES)	WATER CONTENT (INCHES)	WATER CONTENT (INCHES)	
				LAST YEAR	AVG. 58-72
SAN JUAN-DOLORES BASIN					
<u>Animas River</u>					
Cascade	2/27	45	12.9	10.8	10.0
Lemon	2/28	39	10.7	7.4	---
Mineral Creek	2/27	54	17.1	10.6	12.9
Molas Lake	2/27	44	13.1	11.1	11.2
Purgatory	2/27	69	20.6	12.4	---
Red Mt. Pass (B)	2/27	88	29.5	21.6	25.4
Silverton Sub-Sta.	2/27	36	10.4	7.3	6.7
Spud Mountain	2/27	75	24.5	16.7	19.7
<u>Dolores River</u>					
Lizard Head	2/28	55	17.5	15.1	13.9
Lone Cone	2/27	52	15.8	16.5	---
Rico	2/28	31	8.9	8.3	7.2
Telluride	2/28	35	9.5	8.7	6.7
Trout Lake	2/28	52	15.5	13.4	11.8
<u>San Juan River</u>					
Chama Divide (B)	2/28	20	4.6	4.4	3.0
Chamita (B)	2/28	38	9.5	9.3	7.3
Upper San Juan	2/27	93	29.2	24.4	24.5
Wolf Creek Pass (B)	2/27	74	22.3	21.6	22.0
Wolf Creek Summit	2/27	92	27.5	20.7	22.5
GUNNISON BASIN					
<u>Gunnison River</u>					
Alexander Lake	2/27	58	18.5	16.7	17.4
Blue Mesa	2/28	35	9.4	9.5	6.9
Butte	2/27	47	13.0	19.2	---
Cochetopa Pass (B)	2/25	32	7.5	5.4	4.8
Crested Butte	2/27	47	12.9	15.0	10.3
Keystone	2/26	62	19.0	19.2	16.7
Lake City	2/24	35	7.9	6.6	7.0
McClure Pass	2/26	49	15.2	15.7	14.7
Mesa Lakes (B)	2/27	53	14.3	15.7	13.5
Park Cone	2/26	36	8.5	8.7	8.8
Park Reservoir	2/27	62	18.3	17.3	19.5
Porphyry Creek	2/27	58	17.8	16.1	13.7
Tomichi	2/27	47	13.9	14.0	10.5
<u>Surface Creek</u>					
Alexander Lake	2/27	58	18.5	16.7	17.4
Mesa Lakes (B)	2/27	53	14.3	15.7	13.5
Park Reservoir	2/27	62	18.3	17.3	19.5
<u>Uncompahgre River</u>					
Ironton Park	2/28	55	17.9	16.0	11.3
Red Mountain Pass	2/27	88	29.5	21.6	25.4
Telluride (B)	2/28	35	9.5	8.7	6.7
COLORADO BASIN					
<u>Blue River</u>					
Blue River	2/25	34	8.6	7.7	7.4
Fremont Pass	2/26	47	13.4	13.2	12.9
Frisco	2/25	31	8.0	5.6	6.4
Grizzly Peak	2/25	53	15.1	15.3	14.6
Hoosier Pass (B)	2/25	48	12.9	9.8	10.6
Shrine Pass	2/25	57	15.3	15.2	14.5
Snake River	2/25	29	6.1	8.0	7.0
Summit Ranch	2/27	25	6.4	7.5	7.0

SNOW COURSE	CURRENT INFORMATION			PAST RECORD	
	DATE OF SURVEY	SNOW DEPTH (INCHES)	WATER CONTENT (INCHES)	WATER CONTENT (INCHES)	
				LAST YEAR	AVG 58-72
<u>Colorado River</u>					
Arrow	2/28	40	10.8	14.0	10.5
Berthoud Pass	2/27	46	14.1	15.7	12.8
Berthoud Summit	2/26	59	16.8	17.5	15.4
Cooper Hill	2/26	39	9.7	10.2	9.0
Fiddler Gulch	NS	---	---	---	14.0
Glenmar Ranch	2/26	30	8.4	10.0	7.0
Gore Pass	2/27	38	10.8	8.2	8.6
Grand Lake	2/23	34	8.3	9.3	7.0
Lake Irene	2/23	62	17.3	19.0	19.0
Lapland	2/26	33	9.3	10.1	9.0
Lulu	2/26	56	17.1	18.9	14.9
Lynx Pass	2/27	45	12.6	9.3	10.5
McKenzie Gulch	2/26	29	5.4	7.5	5.5
Middle Fork	2/26	31	8.5	10.2	8.1
Milner	2/23	43	11.4	11.8	---
North Inlet	2/25	31	7.3	9.0	7.6
Pando	2/25	35	8.3	8.2	8.2
Phantom Valley	2/23	38	10.7	9.2	9.3
Ranch Creek	2/28	31	7.7	11.6	7.8
Tennessee Pass (B)	2/27	37	9.6	6.6	8.7
Vail Pass	2/25	52	13.2	14.6	14.5
Vasquez	2/26	38	10.0	13.4	10.2
<u>Roaring Fork River</u>					
Aspen	2/25	52	14.7	15.7	14.0
Independence Pass	2/24	51	14.5	10.6	13.9
Ivanhoe	2/24	54	15.6	18.4	13.9
Kiln	2/24	44	11.5	13.3	---
Lift	2/25	46	13.3	13.7	13.6
McClure Pass	2/26	49	15.2	15.7	14.7
Nast	2/24	29	7.2	8.5	5.5
North Lost Trail	2/25	48	14.2	15.6	13.3
<u>Williams Fork River</u>					
Glenmar Ranch	2/26	30	8.4	10.0	7.0
Jones Pass	2/27	47	13.4	15.7	11.9
Middle Fork	2/26	31	8.5	10.2	8.1
<u>Willow Creek</u>					
Granby	2/26	26	6.9	8.2	6.5
Willow Creek Pass	2/26	38	10.2	11.4	10.4
<u>Plateau Creek</u>					
Mesa Lakes	2/27	53	14.3	15.7	13.5
Park Reservoir	2/27	62	18.3	17.3	19.5
Trickle Divide	2/27	66	20.4	19.9	21.0
YAMPA BASIN					
<u>Elk River</u>					
Elk River	2/27	52	15.4	17.5	15.9
Hahn's Peak	2/27	49	13.6	14.2	---
<u>Yampa River</u>					
Buffalo Pass	NS	---	---	40.9	---
Columbine Lodge (B)	2/27	73	24.2	23.5	20.4
Dry Lake	2/26	60	18.9	22.0	17.8
Lynx Pass (B)	2/27	45	12.6	9.3	10.5
Rabbit Ears	2/27	74	24.5	25.9	21.8
Yampa View	2/27	51	16.1	17.1	13.0
<u>White River</u>					
Burro Mountain	2/26	55	18.6	14.3	15.0
Rio Blanco	2/25	48	14.7	14.4	13.1

NOTE: NS - No Survey  
(B) - On Adjacent Drainage

## APPENDIX II

### SOIL MOISTURE MEASUREMENTS as of MARCH 1, 1975

STATION	DATE OF SURVEY	CAPACITY (INCHES)	THIS YEAR	LAST YEAR	AVG. ALL DATA
NORTH PLATTE BASIN					
<u>North Platte River</u>					
Muddy Pass	10/11/74	11.1	6.2	8.5	6.6
Willow Pass	2/26/75	9.5	4.8	6.1	6.9
SOUTH PLATTE BASIN					
<u>Boulder Creek</u>					
Alpine Camp	10/01/74	6.9	3.1	3.1	3.8
<u>Big Thompson River</u>					
Beaver Dam	10/01/74	7.1	3.6	3.3	4.1
Guard Station	10/01/74	6.9	3.2	2.9	4.8
Two Mile	10/01/74	9.1	4.4	4.5	5.5
<u>Clear Creek</u>					
Clear Creek	1/03/75	9.5	5.3	7.1	6.8
Hoop Creek	2/27/75	4.9	2.7	2.4	2.9
<u>Cache La Poudre River</u>					
Feather	2/26/75	10.1	4.4	5.1	4.7
Laramie Road	2/27/75	12.4	6.6	7.4	7.8
<u>South Platte River</u>					
Hoosier Pass	2/25/75	7.8	4.4	5.5	4.9
Kenosha Pass	10/08/74	4.4	2.4	3.3	2.6
ARKANSAS BASIN					
<u>Arkansas River</u>					
Garfield	9/27/74	6.7	3.6	5.2	4.0
Leadville	9/30/74	7.8	3.5	4.1	4.1
Twin Lakes Tunnel	9/30/74	4.5	1.5	2.2	2.1
RIO GRANDE BASIN - COLORADO					
<u>Conejos River</u>					
Mogote	11/13/74	10.7	5.4	4.7	5.3
<u>Rio Grande</u>					
Bristol View	11/14/74	6.1	2.5	2.3	4.0
La Veta	11/13/74	11.9	5.1	6.4	7.6
RIO GRANDE BASIN - NEW MEXICO					
<u>Rio Chama</u>					
Bateman	No Report	6.7	---	2.7	2.5
Chamita	2/28/75	8.0	0.9	4.4	2.6
<u>Rio Grande</u>					
Aqua Piedra	2/26/75	7.2	4.6	5.2	3.6
Big Tesuque	2/25/75	3.7	0.8	2.0	1.6
Rio En Medio	2/25/75	3.5	0.5	1.6	1.4
Taos Canyon	2/25/75	3.3	2.1	2.1	2.2
<u>Red River</u>					
Red River Summit	2/24/75	4.8	1.6	1.5	2.1

## APPENDIX II

### SOIL MOISTURE MEASUREMENTS as of MARCH 1, 1975

STATION	DATE OF SURVEY	CAPACITY (INCHES)	THIS YEAR	LAST YEAR	AVG. ALL DATA
ANIMAS - SAN JUAN BASINS					
<u>Animas River</u>					
Cascade	No Report	9.1	---	3.8	6.0
Mineral Creek	No Report	5.7	---	2.9	3.4
Molas Lake	No Report	9.4	---	7.1	4.8
<u>Dolores River</u>					
Dolores	10/30/74	19.6	5.1	2.0	7.7
Lizard Head	2/28/75	11.8	1.8	1.2	6.9
Rico	2/28/75	13.8	5.4	1.4	9.6
GUNNISON BASIN					
<u>Gunnison River</u>					
King	9/27/74	3.3	2.0	2.6	2.0
COLORADO BASIN (Mainstem)					
<u>Blue River</u>					
Blue River	2/25/75	4.2	2.2	3.3	2.8
<u>Colorado River</u>					
Berthoud Pass	2/27/75	3.9	2.8	3.2	2.8
Gore	2/27/75	4.9	2.3	2.4	3.1
Grand Mesa	No Report	12.5	---	11.3	10.3
Ranch Creek	2/28/75	8.7	5.3	4.9	5.8
Vail	Destroyed	12.3	---	7.1	7.0
<u>Roaring Fork River</u>					
Placita	12/30/74	9.3	3.7	4.4	5.5
YAMPA BASIN					
<u>Yampa River</u>					
Hahn's Peak	2/27/75	13.1	7.7	8.6	8.4



# LIST of COOPERATORS

The following organizations cooperate in snow surveys for the Colorado, Platte, Arkansas and Rio Grande watersheds. Many other organizations and individuals furnish valuable information for the snow survey reports. Their cooperation is gratefully acknowledged.

## STATE

Colorado State Engineer  
New Mexico State Engineer  
Nebraska State Engineer  
Colorado State University Experiment Station  
Rocky Mountain Forest and Range Experiment Station

## FEDERAL

Department of Agriculture

Forest Service  
Soil Conservation Service

Department of Interior

Bureau of Reclamation  
Geological Survey  
National Park Service  
Indian Service

Department of Commerce

NOAA, National Weather Service

Defence Department

Army Engineer Corps

Atomic Energy Commission

## INVESTOR OWNED UTILITIES

Colorado Public Service Company  
Public Service Company of New Mexico

## MUNICIPALITIES

City of Denver                      City of Greeley  
City of Boulder                      City of Fort Collins

## WATER USERS ORGANIZATIONS

Arkansas Valley Ditch Association  
Colorado River Water Conservation District

## IRRIGATION PROJECTS

Farmers Reservoir and Irrigation Company  
San Luis Valley Irrigation District  
Santa Maria Reservoir Company  
Costilla Land Company  
Uncompahgre Valley Water Users' Association  
Twin Lakes Reservoir and Canal Company  
Trinchera Irrigation Co.

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